## STANDARD STRAIGHT BAR

BAR SIZE	* LOCATION CATEGORY		
	Α	В	C
#.4	1'-9''	1'-3''	1'-0''
#5	2'-2''	1'-6''	l'-·3''
#6	2'-7''	1'-10''	1'-6''
#.7	3'-0''	Does Not Exist	l'-9''
#.8	3'-11''		2'-3''
#.9	5′-0′′		2'-10''
#10	6'-4''		3'-8''
#.[]	7'-9''		4'-5''

## \* LOCATION CATEGORY:

- A-Bars in horizontal layers in top of pour with 12" or more of concrete below them such as in: footings, pier caps, etc.
- B- All bars not in Category A spaced less than 6" apart. C- All bars not in Category A spaced 6" or more apart.

CASE NO.2 - For bars coated with epoxy not in Case No.1.

I. When development length is not specified on the

Plans, the above dimensions shall be used.

2. These development lengths do not apply when bar is in lightweight concrete or any other

strength of concrete.

3. These development lengths only apply where the General Notes indicate "Reinforcing Steel Design, fy = 60 ksi."

APPROVAL		
OFFICE OF STRUCTURES		
DATE: 2/2/90		
PEVISIONS .		

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF STRUCTURES

DEVELOPMENT LENGTH DIMENSIONS FOR GRADE 60 REINFORCING STEEL

IN MIX NO.6 (4500 P.S.I.) CONCRETE

EPOXY COATED REINFORCING CASE NO.2

**STANDARD NO.** M(6,16)-90-216(L)

SHEET 3 OF 3

SHA FHWA 11-23-93 1-22-01 FHWA APPROVAL 9-20-05 11-26-07 DATE: